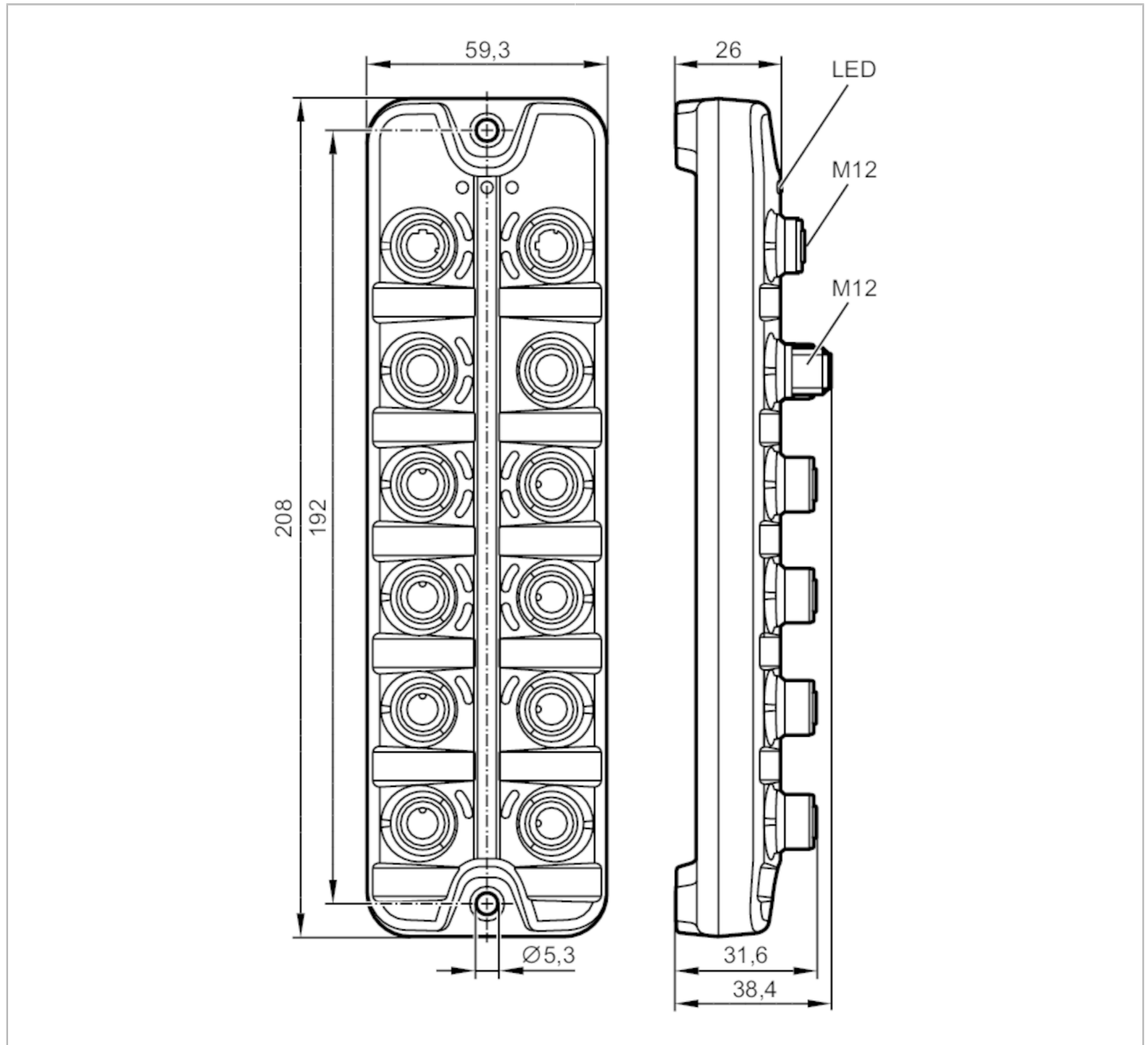


AL1402



IO-Link master with PROFINET interface

IO-Link Master PFL PN 8P IP67



Application	
Application	I/O modules for field applications
Daisy-chain function	voltage supply; fieldbus interface
Electrical data	
Operating voltage [V]	20...30 DC; (US; to SELV/PELV)
Current consumption [mA]	300...3900; (US)
Protection class	III
Additional voltage supply [V]	20...30 DC; (UA)



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Actuator supply UA	
Max. current load total [A]	8
Current rating per port [A]	2; (adjustable: 0...2; Factory setting: 2)
Sensor supply US	
Max. current load total [A]	3.6
Current rating per port [A]	2; (adjustable: 0...2; Factory setting: 0,45)
Inputs / outputs	
Total number of inputs and outputs	24; (configurable)
Number of inputs and outputs	Number of digital inputs: 12; Number of digital outputs: 12
Inputs	
Number of digital inputs	12; (IO-Link Port Class A: 4 x 2; IO-Link Port Class B: 4 x 1)
Switching level high [V]	11...30
Switching level low [V]	0...5
Digital inputs protected against short circuits	yes
Outputs	
Number of digital outputs	12; (IO-Link Port Class A: 4 x 1; IO-Link Port Class B: 4 x 2)
Short-circuit proof	yes
Actuator supply UA	
Max. current load per output [mA]	2000
Sensor supply US	
Max. current load per output [mA]	2000
Interfaces	
Communication interface	Ethernet; IO-Link
Ethernet	
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10; 100
Protocol	PROFINET
Factory settings	IP address: 0.0.0.0
	subnet mask: 0.0.0.0
	gateway IP address: 0.0.0.0
	MAC address: see type label
Note on interfaces	CC-C (Conformance Class C); S2-Redundanz; Configuration in Run (CiR); IRT-Fähigkeit; SNMP
IO-Link Master	
Transmission type	COM 1 / COM 2 / COM 3
IO-Link revision	1.1
Number of ports class A	4
Number of ports class B	4

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Operating conditions		
Ambient temperature	[°C]	-25...60
Storage temperature	[°C]	-25...85
Max. relative air humidity	[%]	90
Protection		IP 65; IP 66; IP 67
Degree of soiling		2

Tests / approvals		
EMC		EN 61000-6-2
		EN 61000-6-4
Shock resistance		DIN EN 60068-2-27
Vibration resistance		DIN EN 60068-2-64 2009-04
		DIN EN 60068-2-6 2008-10
MTTF	[years]	46

Mechanical data		
Weight	[g]	412.1
Materials		housing: PA; socket: brass nickel-plated

Remarks		
Remarks		For further information please see the operating instructions.
Pack quantity		1 pcs.

Electrical connection - Ethernet

IN / OUT XF1, XF2

1	TX +
2	RX +
3	TX -
4	RX -
5	not used

Connector: M12



Electrical connection - Process connection

IO-Link Port Class B X1...X4		
1	Sensor supply (US) L +	
2	digital output (UA) L+	
3	Sensor supply (US) L-	
4	C/Q IO-Link	
5	Aktuatorversorgung (UA) L-	



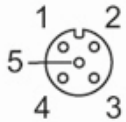
IO-Link master with PROFINET interface

IO-Link Master PFL PN 8P IP67

IO-Link Port Class A X5...X8

1	Sensor supply (US) L+
2	digital input (US)
3	Sensor supply (US) L-
4	C/Q IO-Link
5	not used

Connector: M12



Electrical connection - voltage supply IN

XD1

1	+ 24 V DC (US) brown
2	GND (UA) white
3	GND (US) blue
4	+ 24 V DC (UA) black
5	FE grey

Connector: M12



Electrical connection - voltage supply OUT

XD2

1	+ 24 V DC (US) brown
2	GND (UA) white
3	GND (US) blue
4	+ 24 V DC (UA) black
5	FE grey

Connector: M12

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IO-Link master with PROFINET interface

IO-Link Master PFL PN 8P IP67

